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ABSTRACT OF THE DISCLOSURE

The disclosure relates to a process for applying a multilayer protective coating to
10 a substrate having an electrically conductive surface, comprising: (a) a first method of
forming a silicate layer upon said electrically conductive surface, said first method
comprising contacting at least a portion of said surface with a first medium comprising at
least one silicate and having a basic pH and wherein said first medium is substantially
free of chromates, to form a silicate layer, and (b) a second method of electrolytically
15 applying a synthetic resin layer upon the surface of said silicate layer, said second
method comprising contacting at least a portion of said surface of said silicate layer with
a second medium comprising a resinous ingredient, applying an electric current to said
second medium wherein said surface is employed as an electrode, to form a synthetic
resin layer. The multilayer protective coating exhibits excellent corrosion and adhesion
20 properties and is environmentally acceptable.